

REPLACEMENT SHEET

Application No.: 10/512,028

Inventors: Jay WOHLGEMUTH, et al.

Title: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING

AUTO IMMUNE CHRONIC INFLAMMATORY DISEASES

Attorney Docket No. 50661-20001.03

FIGURE 5

C.

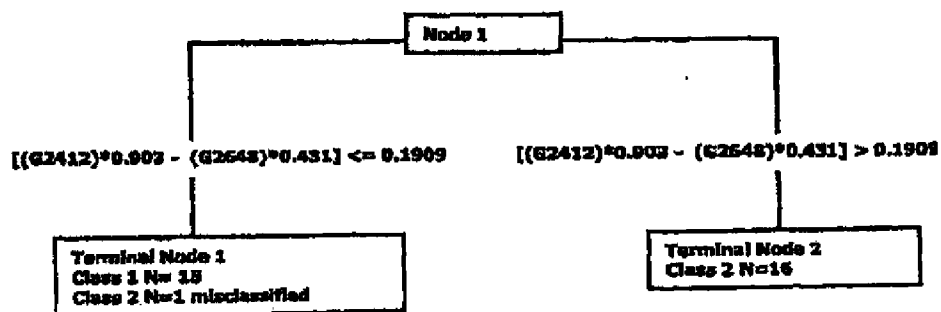
Model #	genes	Relative Cost	SEQ ID	60mer	Locus	Nominal Description	CART Splitter	CART Value for Dx SLE
Model 1	2	0.118	514		NM_002946	replication protein A2 (32kD)	co-1st	$[(2412)*0.903 - (2648)*0.431] \leq 0.1909$
			510		NM_004510	interferon-induced protein 75	co-1st	$[(2412)*0.903 - (2648)*0.431] \leq 0.1909$
Model 1	3	0.125	514		NM_002946	replication protein A2 (32kD)	co-1st	$[(2412)*0.903 - (2648)*0.431] \leq 0.1909$
			510		NM_004510	interferon-induced protein 75	co-1st	$[(2412)*0.903 - (2648)*0.431] \leq 0.1909$
			509		BC002409	actin, beta (ACTB)	2nd	$(G1438) > 0.0865$
Model 1	1	0.612	504		W16552	PKR	1st	$(5087) > 0.1030$
Model 1	3	0.686	504		W16552	PKR	1st	$(5087) > 0.1030$
			575		AK024756	hypothetical protein FLJ21103	2nd	$(G1025) \leq 0.3968$
			576		AK024989	hypothetical protein DKFZp588i133	3rd	$(G1035) \leq 0.0073$
Model 1	5	0.745	504		W16552	PKR	1st	$(5087) > 0.1030$
			574		AK024240	cDNA FLJ14178 fls	2nd	$(G1003) > 0.2105$
			575		AK024756	hypothetical protein FLJ21103	2nd	$(G1025) \leq 0.3968$
			573		AK024202	heat shock 90kD protein 1, alpha	3rd	$(G1001) \leq 0.3107$
			576		AK024989	hypothetical protein DKFZp588i133	3rd	$(G1035) \leq 0.0073$

D.

	Model	Sensitivity	Specificity	Relative Cost
Training Set	Model 1 (2 genes)	100	94	
	Model 1 (3 genes)	100	100	
10-fold Cross Validation	Model 1 (2 genes)	100	88	0.118
	Model 1 (3 genes)	93	94	0.125

FIGURE 5

E.



F.

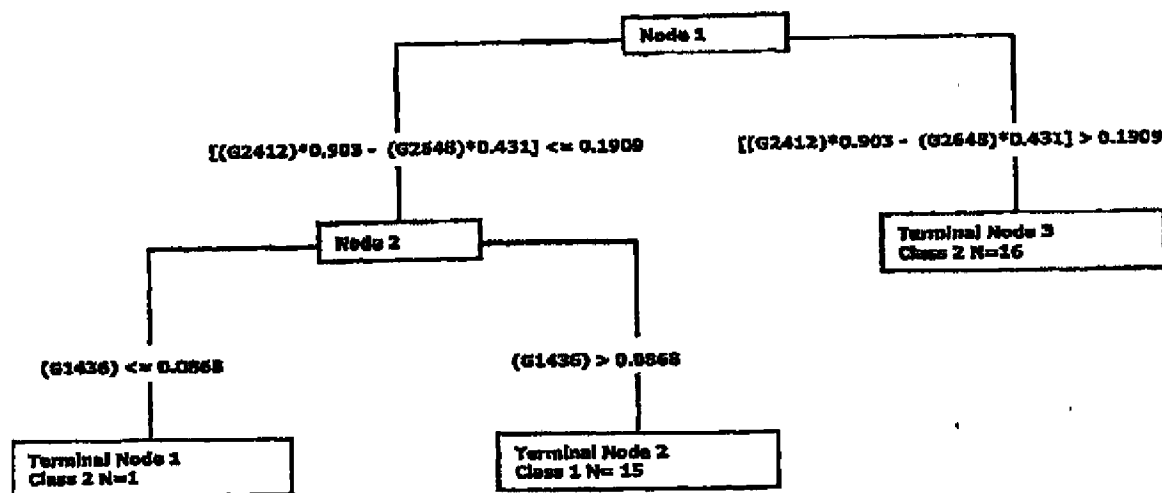


FIGURE 7

B.

QPCR of Granzyme B

